

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: October 18, 2006

Inspector: Lee Curtis, Susan Infalt, BSC Group

Location: Overhead Line (Composite 345kV and 115kV Gallows Hill to Archers Lane,
345kV H-Frame Hoyts Hill to Gallows Hill, and Norwalk Section)

Storm/

Rain Event: Reports range from 0.70-1.34" of rain recorded since the previous inspection, depending on location. (NOAA)

Areas of Inspection	Observation	Recommended Action	Corrective Action
Access Roads and Adjacent Roadways	- The Composite ROW is mainly accessible from Gallows Hill Rd and an access road passing through the Archers Lane station 10/18/06.	-None 10/18/06	-NA
Composite	-Restoration work is complete within the Archers Lane ROW and access road. 10/18/06. See Erosion Control Section for more detail.	- Replace remaining silt fence with haybales or remove fence when the area revegetates. 10/18/06.	-NA
	-Water bars remain in the access road near the first wetland crossing to divert water flow and decrease the potential for erosion within the road. 9/29-10/18/06.	-Place haybales at the downgradient outlet of each water bar to prevent sediment flow to the wetland until this area is stabilized. 9/29-10/18/06.	-Needs attention.
	-The wetland crossing near structure #34 off Gallows Hill Road was restored. 10/4-10/18/06.	- Monitor the hydrology within the crossing to be sure this area was restored to the original grade. 10/18/06.	-Restoration was noted
345kV H-Frame	- Work areas are accessed from various roadways. Restoration is	-Continue restoration and replace silt fence with hay bales in appropriate locations. Remove mats	-Most mats were removed.

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Norwalk Section Kent Road (north)	nearing completion in this section. With the exception of those remaining at the stream crossing off Webb Rd, all mats had been removed from the Bethel Reservoir section. 10/18/06. - Erosion continues along the access road near structure #31 but hay bales seem to be containing sediment. 7/19-10/18/06. - No sediment tracking was noted in Kent Road from the ROW access to the north this week. 10/18/06. -Most of the disturbed areas within the ROW have been re-graded to original conditions. Crews were applying hay mulch and seed at the time of inspection. Mats remain at the wetland crossing. 10/18/06. -A water bar was constructed across the northernmost access road to this section to divert water flow and decrease the potential for erosion within the road. 10/18/06.	when restoration activities are nearing completion. 10/18/06. -Continue to monitor and keep stone out of any resource areas. Hay bales currently contain the sediment. 7/26-10/18/06. - Continue to maintain this entrance and sweep street when necessary. Add more clean stone if needed. 7/19-10/18/06. - Continue restoration and clean up in previously disturbed areas. Restore as near as possible to original conditions. 10/18/06. -None at this time. The access drive is not located near wetlands. 10/18/06.	-NA - N/A -Restoration efforts noted. -Restoration efforts noted.
	Kent Road (south) - Wetland crossings remain matted in the Kent Rd south section. Haybales and silt fence at the wash out areas are deteriorating. 9/20-10/18/06.	- Maintain hay bales at wash out areas until this area is stabilized. Remove mats from wetland areas when restoration activities are nearing completion. 9/20-10/18/06.	-Still needs attention.

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<p>Line Construction</p> <p>Composite and 345kV H-Frame</p> <p>Norwalk Section</p>	<p>- Line work is complete within the ROW. Restoration efforts continue. 9/20-10/18/06.</p> <p>-All ROW and line work is complete. 9/13-10/18/06.</p> <p>-An unused (saved) structure and steel components are still being stored near structure #11073 off Perry Ave. 9/29-10/18/06.</p>	<p>- Continue restoration in previously disturbed areas and ensure that materials are not forgotten in place. 10/18/06.</p> <p>-None at this time. 10/18/06.</p> <p>-Remove unused materials from the ROW. 9/29-10/18/06.</p>	<p>- Restoration efforts are largely complete in these sections.</p> <p>-NA</p> <p>-NA</p>
<p>Erosion and Sediment Controls</p> <p>Composite</p> <p>345kV H-Frame</p> <p>Bethel Reservoir Section to Chestnut Ridge Rd.</p>	<p>- All wetland crossings along the Archers Lane access road were restored to the extent feasible and some grass growth was noted. 9/29-10/18/06</p> <p>- Water bars are in place to divert flow in several locations and reduce erosion. Haybale check dams were also installed within the road as a temporary erosion control measure. 9/29-10/18/06.</p> <p>-The wetland crossing near structure #34 off Gallows Hill Road was removed. 10/4-10/18/06.</p> <p>-Restoration is nearing completion in the Bethel Reservoir section. With the exception of those remaining at the stream crossing off Webb Rd, all mats had been removed from site. Most disturbed areas have re-vegetated. 10/18/06.</p> <p>-The areas around</p>	<p>- Wetlands crossings are in good shape. Remove silt fence once vegetation returns (or replace with haybales). 9/29-10/18/06.</p> <p>-Place haybales at the down-gradient outlets of the water bars to prevent sediment flow to the wetland while this area is stabilizing. 9/29-10/18/06.</p> <p>- Monitor the hydrology within the crossing to be sure this area continues to function. 10/18/06.</p> <p>-Continue to monitor mat removal and restoration. 10/18/06.</p> <p>-The areas have been</p>	<p>-Grass growth was noted</p> <p>- NA</p> <p>- Crossing may need further evaluation.</p> <p>-Most mats are now removed.</p> <p>-The areas are</p>

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Costa Lane, Whortleberry, Lime Kiln and John Todd Way	<p>structures #9 and 10 had been seeded and mulched. Grass growth is not likely before the next growing season. 10/18/06.</p> <p>- Restoration efforts (seed and mulch) are complete along the ROW off John Todd Way and Lime Kiln Road. Significant grass growth was noted in the restored areas. 10/18/06.</p> <p>-The slopes associated with the stone access road at structure #24 do not appear to be stable. Loose stone could wash into the wetland once silt fence is removed. 10/18/06.</p> <p>- Mats have been removed from the wetland crossing within the ROW off Costa Lane. 10/18/06.</p> <p>- The access road erosion near structure #31 was re-graded but erosion has returned, despite the haybales. 7/19-10/18/06.</p>	<p>temporarily stabilized and will no longer be inspected since vegetative cover is not expected prior to the winter. 10/18/06</p> <p>- Remove silt fence near structure #25. Silt fence could remain near the access road off John Todd Way due to the private contractor's work in this area. 10/18/06.</p> <p>-Investigate further stabilization measures for the slopes adjacent to the wetland. 10/18/06.</p> <p>- None at this time. The area is stable and will be removed from inspection. 10/18/06.</p> <p>- Keep all stone/sediment from entering resource areas and investigate alternative stabilization measures. 7/19-10/18/06.</p> <p>-Further grass growth is not expected prior to the winter. Most areas have been temporarily stabilized 10/18/06.</p> <p>- Grass growth is not expected prior to the winter. Install and maintain hay bales along both sides of the stream to</p>	<p>temporarily stabilized.</p> <p>-Need to remove silt fence at #25.</p> <p>-Needs evaluation.</p> <p>-Mats were removed. The area appears stable.</p> <p>-Needs evaluation.</p> <p>-Most areas stabilized temporarily.</p> <p>-Restoration noted but still needs attention.</p>
Norwalk Section			
Broad Street, Perry Ave, and North Seir Hill Road.	<p>- The ROW off Perry Ave and North Seir Hill Road have been re-graded to original conditions, mulched and seeded. Little grass growth was noted this week. 10/18/06.</p> <p>- The disturbed/cleared slopes adjacent to the stream bank at structure</p>		

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Kent Rd. (North)	<p>#11064 were seeded and mulched but the stream is still not protected by erosion controls. 10/4-10/18/06.</p> <p>- Grass growth was noted at structure #11080, off Broad Street south, but washouts in the mulch continue. The silt fence here is stressed. 10/04-10/18/06</p> <p>-The Broad Street north and Rt 7 extension sections have stabilized. The Rt 7 area will no longer be inspected. 10/18/06</p> <p>- Restoration activities have begun at Kent Road north. Most of the disturbed areas within the ROW have been re-graded to original conditions. Crews were applying hay mulch and seed at the time of inspection. Mats remain at the wetland crossing. 10/18/06.</p>	<p>prevent sediment from entering the stream channel. 10/18/06.</p> <p>- Repair silt fence and monitor. Further grass cover is not expected prior to the winter. 10/4-10/18/06.</p> <p>-These areas have stabilized and remaining silt fence should be removed. 10/18/06</p> <p>-Continue restoration and clean up in previously disturbed areas. Restore as near as possible to original conditions. 10/18/06.</p>	<p>- Restoration was noted but still needs attention</p> <p>- Need to remove silt fence and Broad St north will also be removed from inspection.</p> <p>-Restoration efforts noted.</p>
Kent Rd. (South)	<p>- Silt fence remains along both banks of the stream and near the foundation at the pond in the Kent Rd north section. 7/19-10/18/06.</p> <p>- The work areas at Kent Road (south) have been restored with grass cover in most locations but mats still need to be removed. 9/29-10/18/06.</p> <p>- Stone from the access road continues to</p>	<p>-Continue to monitor and maintain as needed. Restore areas and replace silt fence with haybales. 10/18/06.</p> <p>-Monitor until mats have been removed and the access road is stable. 10/18/06.</p> <p>- Stabilization options for the stone access road should be evaluated. 920-</p>	<p>-NA</p> <p>-Needs attention</p> <p>-Needs attention</p>

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	washout beyond the erosion controls into the wetland. Silt fence/ haybales here are deteriorating. 9/29-10/18/06.	10/18/06. These areas will be difficult to control during heavy rain due to the drainage patterns. 7/12-10/18/06.	
Inland Wetland and Watercourse encroachment and mitigation	-The wetland crossing near structure #34 off Gallows Hill Rd was removed. 10/18/06.	- Monitor the hydrology within the crossing to be sure this area continues to function properly. 10/18/06.	-The crossing was removed.
345kV H-Frame	- With exception of the stream crossing off Webb Road, all matted crossings have been removed from wetlands in the Bethel Reservoir ROW. Bare soil remains where the mats were located 10/18/06.	- Silt fence should be replaced with haybales in appropriate locations. Wetland vegetation should return by the next growing season. 10/18/06.	- Mats were removed.
Norwalk	-Mats remain at wetland crossings. All disturbed areas have been restored with seed and hay mulch. 10/18/06.	- Continue to monitor until stabilized. Silt fence should be replaced with haybales in appropriate locations. Remove mats from wetland crossings when restoration activities are nearing completion 10/18/06.	-Restoration efforts noted.
	-The disturbed slopes adjacent to structure #11064 have been seeded and mulched but the stream channel is still not protected by erosion controls. 10/4-10/18/06.	- Install hay bales along both sides of the stream to prevent sediment from entering the stream channel. 10/18/06.	-Needs attention
State species of concern, threatened and endangered species	- The composite portion of overhead work and Chestnut Ridge Rd includes state-listed Eastern Box turtle habitat. 9/15-10/18/06.	- Continue walkthroughs prior to equipment movement in these areas. 4/6-10/18/06.	-N/A at this time
Vegetative clearing limits (including trees to save or danger trees noted)	- Adjacent homeowners near Gallows Hill mentioned damage to mountain laurel and other shrubs. 3/2-10/18/06.	-Replace shrubs where approved during these restoration efforts. 10/18/06.	-Needs attention when feasible

Areas of Inspection	Observation	Recommended Action	Corrective Action
Composite	- A significant amount of chips were blown off the ROW into the upland and also along the wetland edge at the 3 rd structure off Gallows Hill. These areas are off property. 2/22-10/18/06.	- In order to comply with the D&M plan the chips should be spread on the ROW to a depth of 3". 2/22-10/13/06. However, the crossing has since been removed and equipment should not pass. 10/18/06.	-Needs similar attention as at Archers Lane. However, equipment can no longer access this area.
345kV H-Frame	- Widespread restoration efforts were noted. Many recently restored areas have good grass cover. Log piles remain within the ROW from previous clearing efforts. 9/29-10/18/06.	- Remove excess lumber where appropriate. 9/29-10/18/06.	-Restoration activities noted.
Norwalk Section	- Widespread restoration is noted in several sections, but some areas still require additional efforts. 10/18/06	-Continue to restore remaining areas. 10/18/06	-Restoration activities noted.
Dewatering	- Dewatering efforts should no longer be necessary. 10/18/06.	-None.10/18/06.	-N/A
Blasting	-No blasting has been necessary on the ROW. 10/18/06.	-None. 10/18/06.	-N/A
Spills and Material Storage	-No spills or drips were noted along the route this week. 10/18/06. - In general, equipment should be parked over 100 ft from resource areas or as far as feasible. 10/18/06	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) - Keep adequately size fuel kits for worst-case scenarios. - Report spills immediately, even if they are being controlled. - Avoid refueling in the areas near the wetlands.	-NA
Additional Observations			

Areas of Inspection	Observation	Recommended Action	Corrective Action

Next likely scheduled inspection:

Wednesday October 25, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Lee Curtis, Susan Infalt, BSC Group



(Composite Section): Photo on the left shows disturbed areas are now stabilized with vegetation at Gallows Hill. Photo on the right shows a view of the restored crossing. Continue to monitor this area to be sure that original hydrology was established. 10/18/06.



(345kV H-Frame): Both photos show views within the ROW in the Bethel Reservoir section. Photo on the left shows mats remaining at the stream crossing. Photo on the right shows equipment and lumber remain within the ROW in this section. 10/18/06.



Photo on the left shows a view of the erosion continuing in the access road near structure #31 off Costa Lane. Photo on the right shows significant grass growth in the restored areas. 10/18/06.



Photo on the left shows mats were removed from the wetland crossing within the ROW off Costa Lane. Photo on the right shows the area at pole #25 is stabilized with vegetation. Silt fence should be removed here. 10/18/06.



(Norwalk Section): Both photos show views of the ROW off Kent Road south. Photo on the left shows mats remaining at the wetland crossings. Photo on the right shows disturbed areas are stabilizing with vegetation. 10/18/06



Both photos show views of the ROW off Kent Road north. Photo on the left shows disturbed areas have been re-graded to original conditions, mulched with hay, and seeded. Photo on the right shows a view of the water bar constructed within the access road to the north. 10/18/06.



Photo on the right shows a close up of the stream channel at the base of the slope near structure #11064 off North Seir Hill Road. The stream is still not protected by erosion controls. Photo on the right shows disturbed areas off Perry Ave north have been seeded and mulched. 10/18/06.



Photo on the left shows spare structure arms are still being stored in the ROW off Perry Ave north. Photo on the right shows sediment overwhelming the erosion controls at structure #1180. 10/18/06.